

TREKSTOR™
STORAGE

USB-Storage 2.0



www.trekstor.de



DataStation

User's Manual

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1 Getting Started

1.1 Introduction

Thank you for choosing TrekStor's DataStation. We are sure that our product will meet your expectations. The DataStation is a removable hard disk to be used for data exchange between computers, as a supplemental hard disk for great amount of data or for backups.

1.2 Parts List

TrekStor DataStation contents:

1. DataStation (with optional hard disk)
2. Driver CD
3. User's Manual (in some cases on CD)

Additional parts - pocket version (2.5"):

1. Hi-Speed USB 2.0 Y-cable
2. Protective cover

Additional parts - maxi version (3.5"):

1. Hi-Speed USB 2.0 cable
2. Power adapter
3. Stand for vertical placement

1.3 System Requirements

1. Microsoft® Windows™ 98/Me/2000/XP, MacOS 10.2 or higher, Linux 2.4.x or higher

2. PC with free USB 2.0 or USB 1.1 port
3. CD-ROM drive
4. 64 MB RAM or more
5. 20 MB free hard disk space

Technical Advice: *In order to reach maximum transfer rates, the device has to be connected to an USB 2.0 host adapter. If it is connected to an USB 1.1 interface, the transfer rate will be limited to USB 1.1 speed.*

1.4 HDD assembly (only for the 'kit' version)

If you have **not** acquired the 'kit' version of this device, i.e. without **integrated hard disk**, you may want to skip this paragraph. In case of the 'kit' version, a suitable hard disk (according to the casing) has to be built in. Be aware that the casing of the DataStation **with built-in hard disk** must not be opened, otherwise the warranty is null and void (see Appendix A).

1. remove the screws (if there are any) from the sides of the casing. Use a screwdriver of appropriate size.

2. Now you can carefully remove the rear panel which is connected to a card. The card will come off together with the panel.
3. (3.5 inch version): connect the hard disk both to the IDE port and to the power supply. Make sure all plugs are connected properly. Screw the hard disk to the card from underneath using the provided screws.
4. (2.5 inch version): plug the hard disk directly into the 44-pin IDE port on the card.
5. Close the casing and tighten it using the provided screws.

2 Installation

2.1 Installing the driver

2.1.1 Windows 98

Windows 98 is the only operating system that requires manual installation of a driver. You find it on the driver CD:

- Insert the driver CD into your CD-ROM-drive.
- In the appearing TrekStor menu, click the button named '*Driver Windows 98*'.
- Follow the instructions.

Do not connect the DataStation to your computer before installing the driver.

2.1.2 Windows ME/2000/XP/2003, Linux 2.4.x, MacOS 10.2.x

For these operating systems you don't have to install a driver. It is loaded automatically, as long as Windows 2000 is upgraded with Service-Pack 3 and Windows XP with Service-Pack 1.

2.2 Connecting the DataStation to a computer

2.2.1 The 2.5 inch version

Only for users of the DataStation - 2.5 inch version.

The provided USB Y-cable has one mini-USB connector and two USB-A connectors. The USB-A connector with two cables on it is used for data transfer as well as for power supply of the station. In some cases one single USB-A connector might not supply enough power. Therefore the second USB-A connector (with only one cable on it) is intended for supplemental power supply. To ensure correct operation of the DataStation **also** plug the second USB-A connector into an USB-port.

IMPORTANT: *TrekStor recommends to always connect both USB-A connectors. Insufficient power supply as it may occur with only one USB-A connector plugged in, may result in loss of data or even mechanical failure of the hard-drive. TrekStor is not liable for any damage to the DataStation resulting from insufficient power supply.*

Make sure the USB Y-cable is plugged in properly to ensure a save connection.

2.2.2 The 3.5 inch version

Only for users of the DataStation - 3.5 inch version.

The power adapter comes with two cables: the one fixed to the adapter has to be plugged into the matching jack on the rear panel of the DataStation , the other one has to be plugged both into the power adapter and into a power outlet. On the rear panel you will also find a power switch. Use it to switch the hard disk on and off.

ATTENTION: *Only use the provided power adapter. Do not use a power adapter of a different TrekStor-product or from a different manufacturer. Using a different power adapter may result in damage of this product and voids the warranty. Always unplug the power adapter when transporting this product, otherwise damage may occur and the warranty is null and void.*

IMPORTANT NOTICE: *As the provided power adapter of this TrekStor product switches automatically between 100V and 240V, it can also be used abroad. Even-*

tually, you have to buy an adapter plug or an adequate power cable. TrekStor will not be liable for damage resulting from unappropriate adapters or cables.

Connect the provided USB 2.0 cable to the DataStation and to your computer. Check the correct orientation of the cable and make sure it is plugged in properly to ensure a save connection.

2.3 Using the DataStation

Make sure the driver is installed (if necessary for your operating system - see chapter 2.1), the DataStation is connected to your computer and it is switched on (see chapter 2.2).

Provided the right file system, the TrekStor hard-drive will appear under 'My Computer' with a new drive letter. Under Windows Explorer you may now move, copy or delete files simply by drag and drop.

IMPORTANT NOTICE: *If the file-system of the DataStation is not compatible with the version of your operating system, it might not appear as a new drive. For example, the NTFS file system is not supported by Microsoft Windows 98SE, Windows ME and by Apple Mac OS. Of course you will be able to use the DataStation anyway. For detailed information on file-systems and preparing your hard-drive to work with your operating system see chapter 3.2.*

NOTICE: *It may take a few seconds until your computer has detected your drive and assigned a letter to it.*

2.4 Disconnecting the DataStation

2.4.1 Windows

Under Windows 2000/ME/XP there's a symbol  'Unplug or Eject Hardware' in the System Tray on the right hand side of your Taskbar (bottom right under the clock). Double-click it, select 'USB Mass Storage Device' and confirm with 'stop'.

Under Windows 98 go to 'Start' → 'Settings' → 'Control Panel' and open 'System'. Click the 'Device Manager' tab. Look for the DataStation under 'Disk drives', right-click it and select 'Remove'. Confirm with 'Ok'. Now you can safely disconnect the drive from your computer.

2.4.2 Mac

Remove the drive's icon from your desktop, before disconnecting it or switching it off. To do so, just drag the icon into the 'trash-can'.

3 Technical background / Troubleshooting

3.1 Introduction

For storing data, every hard-disk has to be partitioned, a primary and eventually extended partitions have to be created on the disk, and a file system has to be assigned to it. A different drive letter is assigned to each partition.

Next, the partitions have to be formatted in order to store data. When formatting a partition the operating system deletes any data, checks all sectors marking damaged ones so they won't be used and reserves a certain amount of disk-space besides the Data Region where the actual data is stored. Therefore formatting hard-drives reduces the available disk-space. How much depends on the system but it generally reduces only by a few percent.

Moreover the units 'MB' and 'GB' frequently cause confusion as the theoretical size depends on whether binary or decimal multipliers are used. That's why 1 MB may be equal to 1000 KB or 1 MB = 1024 KB (and correspondingly 1 KB = 1000 Bytes or 1 KB = 1024 Bytes). A 128 MB storage can thus vary between 128.000.000 Bytes and 134.217.728 Bytes. The capacity of big hard disks as sold today may differ by several GBs.

If you are interested in this topic refer to WikiPedia at <http://en.wikipedia.org/wiki/Byte>.

3.2 File systems

The following explanations of FAT32 and NTFS may help you to choose the adequate file system.

3.2.1 FAT32

FAT is the abbreviation for *File Allocation Table*. The FAT system was already used in DOS systems. Its 16 Bit version was changed to a 32 Bit system (referred to as FAT32) when Windows 95's second edition was published. Theoretically, a FAT32-Partition may vary between less than 1 MB and 2 TB (2048 GB). The biggest file size allowed is 4 GB. FAT32 was originally used by Windows 98 / 98SE and Windows ME. It is also supported by Windows 2000 and Windows XP but for these two operating systems Microsoft limited the allowed partition-size to 32 GB. Therefore, using the native Windows formatting or the Disk Storage Management of these newer versions of Windows, only partitions of less than 32 GB can be formatted with FAT32. Anyhow, bigger FAT32 partitions that remain from older versions of Windows or that have been created by other programs can still be used.

3.2.2 NTFS

NTFS is the abbreviation for *New Technology File System* which is the native file system of Windows NT, Windows 2000 and Windows XP. NTFS has some functions not available in FAT32 such as compressing and encrypting files, possibility of Disk Mirroring, using RAID-5-functions and Journaling.

Partitions with NTFS may range from 10 MB up to 2 TB and there's no limit to file-sizes. NTFS-partitions can only be directly accessed in Windows NT, Windows 2000 and Windows XP. For other operating systems there are programs that enable their use (for example *Paragon Mount Everything*).

3.2.3 Criteria for choosing between FAT32 and NTFS

These criteria may help you choose the right file system.

To be able to use a hard-disk of more than 32 GB under no matter which operating system without restrictions it has to be divided into several partitions of less than 32 GB each and it has to be formatted with FAT32. That way you dispose of several drives.

When to choose FAT32:

- You want to access your data under any operating system - FAT32 can be used in Windows 98/98SE, ME, 2000, XP, NT, Mac OS 9.x and higher.
- You want to be able to boot your DataStation with other operating systems than Windows NT or Windows 2000/XP.

When to choose NTFS:

- You exclusively use Windows 2000 or Windows XP.
- You desire optimized performance of your DataStation in Windows 2000 or Windows XP.

- You want to encrypt files, assign access rights to files or monitor the access to files.
- You want partition sizes of more than 32 GB.

3.3 Partitioning and formatting

ATTENTION: *All information provided by TrekStor has been investigated and compiled to the best of its knowledge. Yet, no responsibility is taken for its correctness. Each user is responsible for verifying its correctness, completeness and actuality. TrekStor's liability for uncomplete, false, out-of-date information, wrong interpretation by the user or any consequence of it limits to intent and gross negligence on the part of TrekStor. Please also refer to Appendix B.*

3.3.1 Using the Paragon Partition Manager

Your TrekStor DataStation comes with a **full version** of *Paragon Partition Manager*. *Paragon Partition Manager* is all you need to administrate partitions. It is easy to use and even unexperienced users will be able to perfectly organize their hard drives. Partitions and its parameters can be easily and safely changed at any time. *Paragon Partition Manager* works under Windows 9x/ME/NT 4.0/2000/XP Workstation, Home or Professional. Please understand that TrekStor does not offer support for Paragon software.

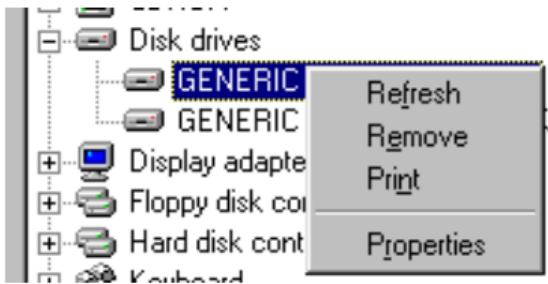
3.3.2 Windows 98/98SE/ME

Partitioning and formatting USB hard disks under Windows 98/98SE/ME is possible without further software.

Requirements:

- Windows 98/98SE/ME installed on your computer.
- Only for Windows 98/98SE: driver for DataStation installed.
- DataStation connected and switched on.
- Correct power supply. (for 2.5 inch hard-disks: use Y-cable, i.e. connect both USB-A connectors - see chapter 2.2.)

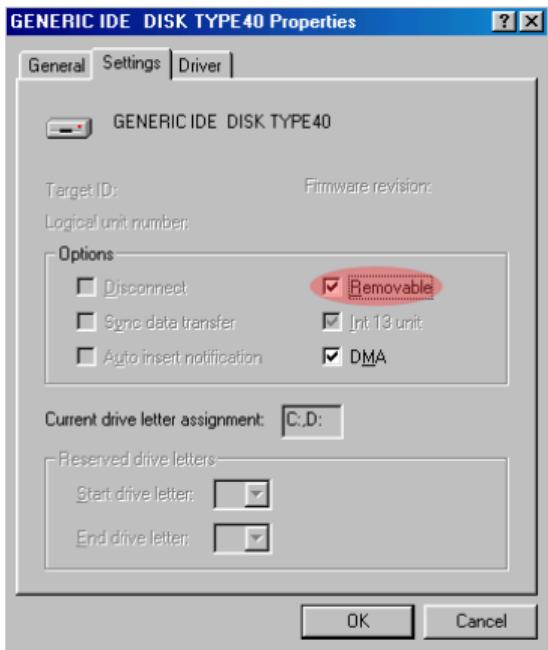
Step 1: Searching the hard disk in the Device Manager



When the DataStation is connected to a computer, a symbol  appears in the System Tray on the right hand side of your Taskbar (bottom right under the clock). It indicates that your hard-disk has been installed correctly. Go to 'Start' → 'Settings' → 'Control Panel', open 'System' and click the 'Device Manager' tab. Look for the DataStation under 'Disk drives' and right-click it.

NOTE: *If you are not sure which one of the entries corresponds to your DataStation try the same procedure with your DataStation disconnected and compare the entries. The missing one corresponds to your DataStation*

Step 2: Activate the hard disk



Click on properties. On the 'Settings' tab check the 'Removable Data-storage' checkbox as shown in the picture. Click 'OK' and exit the Device Manager ('Close'). Windows will ask you to restart your computer. Do so with your DataStation **connected**.

Step 3: Format hard disk



After restarting there will be a new *Removable Disk* with a new drive letter. Right-click it and select '*Format*' as seen in the picture. In the following dialog select '*Full*' and click '*Start*'. After a further confirmation the DataStation will be formatted.

3.3.3 Windows 2000/XP

Partitioning and formatting is also possible under Windows 2000 and Windows XP without further software.

Requirements:

- Windows XP/Windows 2000 installed on your computer
- You have to be logged in as a user with administrator rights
- DataStation connected and switched on
- Correct power supply. (for 2.5 inch hard-disks: use the Y-cable with both USB-A connectors plugged in - see chapter 2.2.)

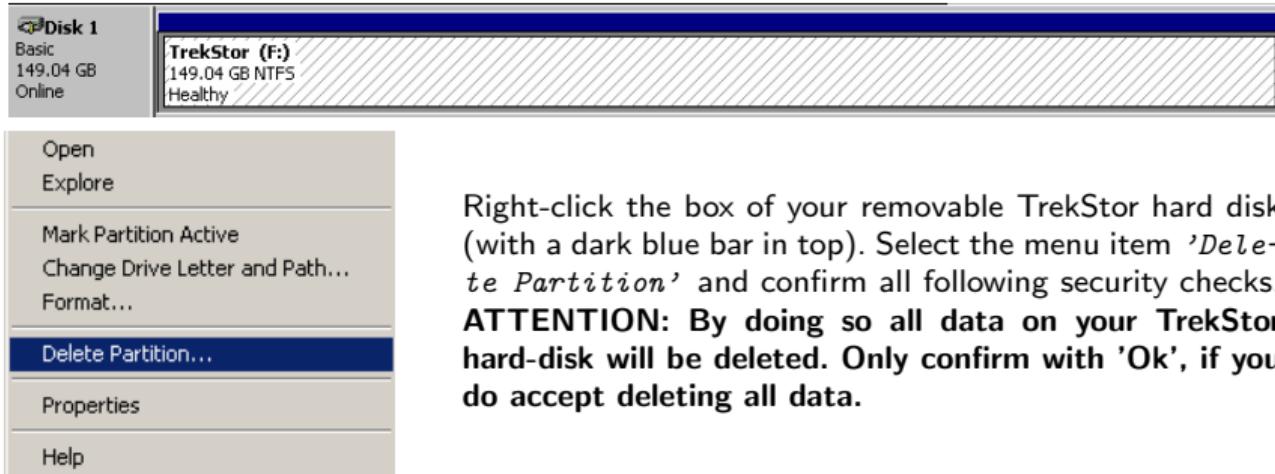
Opening the Device Manager:

Go to 'Start' → 'Control Panel' → 'Performance and Maintenance'¹ → 'Administrative Tools' → 'Computer Management' → 'Storage'. In the following windows which consists of 3 sections all connected CD- and DVD-drives (*CDRom 0, CDRom 1, ...*) and hard disks (*Disk 0, Disk 1, ...*) are listed on the bottom right. Select the DataStation among the hard disks.

NOTE: *If you are not sure which one of the entries corresponds to your DataStation, try the same procedure with your DataStation disconnected and compare the entries. The missing one corresponds to your DataStation*

¹Users of Windows 2000 and Windows XP with classical Start Menu style omit this step!

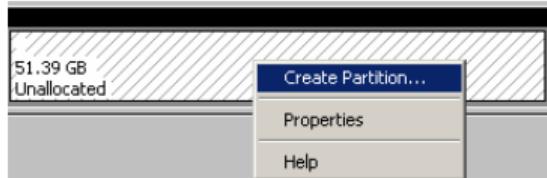
Deleting old Partitions:



Right-click the box of your removable TrekStor hard disk (with a dark blue bar in top). Select the menu item '*Delete Partition*' and confirm all following security checks.

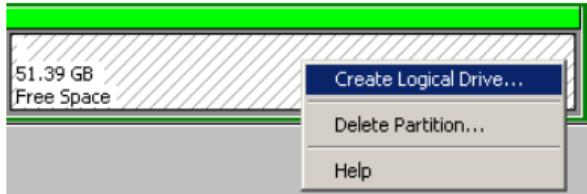
ATTENTION: By doing so all data on your TrekStor hard-disk will be deleted. Only confirm with 'Ok', if you do accept deleting all data.

Creating an extended partition:



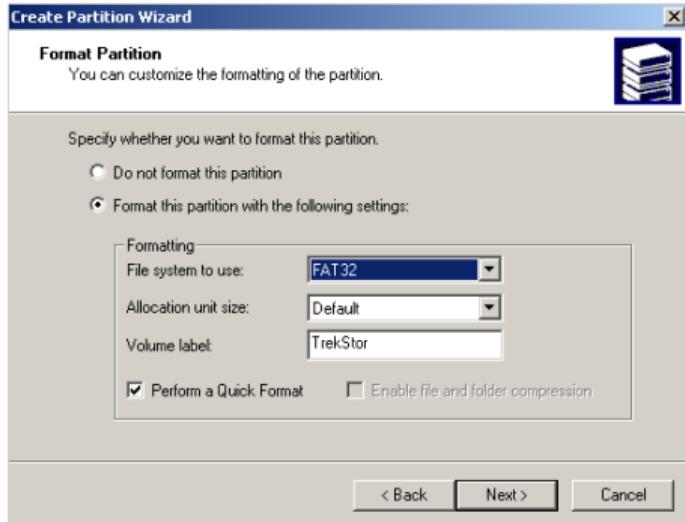
Right-click the box of your removable TrekStor-hard-disk (this time it's listed as 'Unallocated' space with a black bar in top). Select '*Create Partition*' and click '*Next*' in the following Wizard. Select '*Extended Partition*' and keep confirming until the wizard is finished and closed.

Creating a logical drive:



As extended partition it appears now as *Free Space* with a light green frame. Right-click into the box.

Select the menu-item '*Create Logical Drive*'. Click '*Next*' in the following Wizard. Select '*Logical Drive*' and click '*Next*'. You will be asked to specify a size for the logical drive. Keep in mind that drives bigger than 32 GB (= 32768 MB) can't be used under Windows 98/SE / Windows ME and MacOS X (see chapter 3.2). Specify a size (for example 32000 MB) and click '*Next*'. You may leave the settings in the following windows unchanged and click '*Next*'.



You are asked to format the new partition. Choose an adequate file system and check the '*Perform a quick format*'-option, then click '*Next*' and '*Finish*'. The Wizard creates and formats a new logical drive. If successful, it will appear as *Healthy*.



If there is still available disk space it appears as *Free Space* (with a light green frame). Repeat the procedure as explained in this chapter for the remaining *Free Space*.

3.4 Booting from the DataStation

To be able to boot a DOS operating system from the DataStation several conditions have to be met:

- Existing *Primary Partition*.
- *Primary Partition* formatted with the FAT/FAT32 file system.

Complete the following steps:

1. Activate the partition on the DataStation .
2. Copy system files to the DataStation .
3. Activate the BIOS-option "Boot from USB-HDD".

IMPORTANT NOTICE: *TrekStor is not aware of any way to install Windows on the DataStation , as Microsoft does not support booting from USB-media. You can, however, boot from the DataStation by installing DOS/FreeDOS on it as explained in this chapter.*

3.4.1 Windows 9x/ME

Step 1: Activate the partition on the DataStation

Step 2: Copy the system files to the DataStation as follows

- Open the Windows Explorer
- Right-click the drive letter of your DataStation (for example *E:*)
- Select 'Format...'
- Click the 'Copy system files only' Option Button in the *Format* type list
- Click 'Start'

Step 3: Activate the BIOS-Option 'Boot from USB-HDD'

- This option is found at different places depending on the BIOS version
- In the *Award BIOS* for example go to 'Advanced BIOS Features'
- Activate the DataStation under '1st Boot Device' by choosing 'USB-HDD'

3.4.2 Windows 2000/XP

Windows 2000/XP does not support a bootable USB hard disk. You can find an ISO-CD-Image of FreeDOS in the folder tools\bootable on the TrekStor installation CD. You can write it on CD with any common CD-Writer program. Make sure you don't just copy the Image file but actually write the Image to CD using the option of your program for that purpose. Only if the CD has been created that way, it will boot. As FreeDOS supports USB, you can install it directly on your DataStation . Follow the instructions during installation.

For further information about FreeDOS refer to: www.freedos.org.

NOTICE: *Remember that the partition on the DataStation has to be activated in order to boot. You can activate the partition under 'Start' → 'Control Panel' → 'Performance and Maintenance',² → 'Administrative Tools' → 'Computer Management' → 'Storage', or during installation of FreeDOS with the FDISK tool.*

²Users of Windows 2000 and Windows XP with classical Start Menu style omit this step!

After installing FreeDOS the option 'Boot from USB-HDD' has to be activated in BIOS (see chapter 3.4.1, Step 3).

3.5 Optimizing USB 2.0 connections

The following technical information may be useful for the DataStation :

3.5.1 What is USB 2.0?

The new USB 2.0 standard offers a higher bandwidth for Hi-Speed devices such as removable hard disks, Hi-Speed scanners and CD-RW drives. USB 2.0 supports transfer rates up to 480 MBit/s and is compatible with USB 1.1 devices. Thus, slower USB 1.1 devices such as digital cameras, scanners, modems, keyboards, mouses, joysticks and printers can be connected to USB 2.0 , too.

3.5.2 USB cable and connectors

The DataStation comes with a USB 2.0 cable, to guarantee maximum transfer rates on an USB 2.0 port. The cable can also be used with a USB 1.1 port. Though, in that case, the transfer rate is limited to USB 1.1 speed.

3.5.3 USB 2.0 host adapter and performance

To reach maximum performance using your DataStation your computer has to be provided with a USB 2.0 interface (either built in or available as an USB 2.0 host adapter). Moreover, the correct drivers have to be installed. For information about installation, please read the instructions of your computer or USB 2.0 host adapter. TrekStor only provides the USB 2.0 drivers for TrekStor devices but not for USB 2.0 host adaptors from different manufacturers. Those drivers can usually be found on their web sites.

3.6 Troubleshooting

If your TrekStor hard disk does not work correctly try solving the problem with the following suggestions before you consult your TrekStor dealer or the TrekStor technical support. (→ Appendix A).

3.6.1 Frequent problems

Symptom: Drive not recognized

Fault diagnostics:

- Is the drive is switched on?
- Is there a symbol of the drive appearing on the screen?
- Are all cable connections properly made?

- Are all connectors of the USB cable plugged in firmly and correctly?
- Is the file system of your DataStation supported by your operating system?

Possible solutions:

- (2.5 inch) Check whether the provided USB **Y**-cable is connected to **both** USB ports.
- (3.5 inch) Check whether the cables of the power adapter are connected correctly and the drive is switched on (→ rear panel).
- Look for the symbol on the *Desktop* (Mac) or under *My Computer* (PC).
- Make sure all steps listed in chapter 2 have been completed.
- Make sure all cables are connected to the correct interface.
- Check both ends of the USB cable. Unplug the cable, wait for about 10 seconds and plug it back in. If the drive is not recognized, restart your computer and check again.
- Try to partition and format the disk again as explained in chapter 3.3 .

If the device is still not displayed, check the cable connections again and try the other possible solutions listed below.

Symptom: The drive is not recognized

Fault diagnostics:

- Are the USB drivers installed and activated correctly?
- Is there a conflict with other drivers or external devices?
- Is the file system of your DataStation supported by your operating system?

Possible solutions:

- (Windows 98/SE): Go to '*Start*' → '*Settings*' → '*Control Panel*' → '*System*'. Click the '*Device Manager*' tab and afterwards the plus-symbol next to '*Universal Serial Bus controllers*'. Your device should be displayed.

- (Windows ME/2000): Go to '*Start*' → '*Settings*' → '*Control Panel*' → '*System*'. Click the '*Hardware*' / '*Device Manager*' tab and afterwards the plus-symbol next to '*Universal Serial Bus controllers*'. Your device should be displayed.
- (Windows XP): Go to '*Start*' → '*Control Panel*' → '*Performance and Maintenance*'³ → '*System*'. Click the '*Hardware*' / '*Device Manager*' tab → and afterwards the plus-symbol next to '*Universal Serial Bus controllers*'. Your device should be displayed.
- (Mac): Open the Apple '*System Profiler*' and click the '*Devices and Volumes*' tab.
- Try to partition and format your hard disk as explained in chapter 3.3 .

If the device is still not displayed, check the cable connections again and try the other possible solutions listed above.

³Users of Windows 2000 and Windows XP with classical Start-menu style omit this step!

Symptom: The transfer rate does not exceed USB 1.1 speed

Fault diagnostics:

- Is the drive connected to a USB 2.0 port of your computer and - if used - to a USB 2.0 Hub?
- Does your computer and your operating system support USB 2.0?

If one of these conditions is not met, it is normal that the device works at USB 1.1 speed. It can only perform at USB 2.0 speed if connected to a USB 2.0 interface (including an optional Hub) and if the corresponding drivers are installed correctly.

Possible solutions:

- Disconnect the other USB devices to see if the performance improves.
- Check if the USB 2.0 drivers for your USB 2.0 interface **and** for your USB 2.0 device have been installed correctly.

A Warranty

A.1 General Conditions

The warranty on defects and faults due to production of this product is given for the warranty period described by German law.

Warranty:

1. In case of malfunction due to its production, TrekStor will replace or repair the product at its option.
2. TrekStor and its suppliers will not be liable for any damage or loss of data, or any of its consequences, related to the operation of the device. Under no circumstances will TrekStor be liable for any consequential, direct, incidental, indirect, punitive or special damages like damage to or loss of property or devices, lost profits or savings, costs of replacement parts, expenses or troubles due to labor slack, loss of production or income or other damages. Not TrekStor, but the user will be liable for damage or loss of data during operation of a TrekStor product. In no event will TrekStor be liable for recovering lost or damaged data. Under no circumstances shall TrekStor's liability for all damages and losses exceed the price paid for the product.

A Warranty

3. The following repairs are not covered by the warranty and are at the client's expense:

- Malfunction after expiration of the warranty period
- Malfunction due to operating errors on the part of the user (if the device is not operated as described in the manual)
- Malfunction caused by other devices
- Modification of or damage to the device, that are not made or caused by the manufacturer **In particular the warranty is null and void if the device is opened by someone else but distributors, repair shops or retailers who are not authorized by TrekStor GmbH& Co. KG.**
- Damage due to natural disasters (force majeure)

To request warranty service, please contact the TrekStor technical support. You will be asked for the serial number of your TrekStor product and you will eventually have to provide a proof of purchase indicating that the warranty period has not expired. Any product to be returned must be packed safely in the original packaging. Not prepaid letters, packets or parcels will **not** be accepted.

B Notes

B.1 Liability

The manufacturer only guarantees the suitability of the product for its intended purpose. The manufacturer is neither liable for damage or loss of data nor for any consequential damage, due to using the product. He reserves the right to keep developing the product without updating this manual. Thus, information in this manual may not describe the product's newest version.

B.2 Trademark

Microsoft and Windows® are registered trademarks of the Microsoft Corporation. The publisher of this manual herewith confirms that any further registered trademark that may appear in this manual is property of its corresponding holder.

B.3 Precautions

- This product may only be opened or repaired by qualified and authorized persons.
- Please read this manual carefully and completely and follow the instructions before installing the device.
- Do not open the product or try to modify it. Never insert metal objects or other conductive materials into the device as it may result in electric shock, fire, injury short-circuit or dangerous emissions. The components cannot be maintained by the user. If the device does not work properly, have it checked by a qualified member of the TrekStor technical support. Please refer to the warranty conditions in Appendix A.
- Never expose the device to rain and keep it away from water or high humidity. Do not place any depository containing fluids in top of it. Any liquid getting into the device increases the risk of electric shocks, short circuits, fire or injuries.

B.4 General care

- Do not expose the device to temperatures below 5°C (41°F) or above 40°C (104°F). Temperatures out of this range may result in damage to its electronic components. Keep it away from sources of heat and do not expose it to direct sunlight (even not through a window). Too cold or humid places may as well result in damage to the device.
- Unplug the power cable in case of risk of a lightning strike or if the device is not used for a longer period, as these circumstances increase the risk of electric shocks, fire or short circuits.

- Do not place the device near other electronic devices like tvs, stereos or speakers as it might interfere with them.
- Don't place the device near sources of magnetic fields like computer screens, tvs or speakers. The magnetic fields may affect its operation and stability. Do not exert excessive force or place heavy objects on it.
- Keep it free of dust during storage or operation. If dust accumulates in the device the risk of damage or malfunction increases.
- Never use any abrasive cleaner, solvent, thinner or any strong chemicals to clean the surface. Use a clean, dry and soft cloth or brush instead.

ATTENTION: *Ignoring these advices voids the warranty.*

B.5 Copyright

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TrekStor GmbH & Co. KG
DataStation - User's Manual
DS-AT-V5.0-EN-050513a

TREKSTOR™
STORAGE

USB-Storage 2.0

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